

**ABSTRACT OF THE DISCLOSURE.**

- A photovoltaic solar cell (SZ) of improved light-to-current conversion properties is provided with nano emitters (NE) of acicular or rib-like form and
- 5 are separated from each other at a uniform distance  $D \leq \sqrt{2}L$  and penetrating to a penetration depth  $T \geq d_{HL} - \frac{L}{2} + w$  into the semiconductor layer (HL).